ELSEVIER

Journal of Organometallic Chemistry 626 (2001) 263

Journal of Organometallic Chemistry

www.elsevier.nl/locate/jorganchem

Author Index of Volume 626

Agbossou, F., 157
Aguiar Ricardo, A., 227
Alvarez-Larena, A., 139
Avilés, T., 227

Beachley, O.T., Jr, 59
Beckmann, J., 49
Bertani, R., 11
Brauer, D.J., 106
Burzlaff, N., 16

Carcelli, M., 161
Caro, B., 37
Casimiro, T., 227
Cerveau, G., 92
Chappellet, S., 92
Chen, Y., 192
Churchill, M.R., 59
Clara, E., 227
Corriu, R.J.P., 92
Costa, M.F.D., 233
Crociani, L., 11

Dabiens, B., 92
da Costa, M.R.G., 233
D'Arcangelo, G., 11
Diversi, P., 145

Espinosa, G., 113

Faller, J.W., 181
Ferreira, P., 1
Fochi, A., 161
Fontani, M., 145
Fuligni, M., 145

Glas, H., 100
Gonçalves, I.S., 1
Görls, H., 168, 243

Hadi, G.A., 243
Hanusa, T.P., 43
Harvey, M.J., 43
Hegelmann, I., 16
Herdtweck, E., 100
Hernandes, M.Z., 68
Hiratsuka, H., 32
Ho, E.N.-M., 125
Hu, Q.-M., 192

Ikuta, S., 32
Imai, Y., 32
Innorta, G., 24

Jurkschat, K., 49

Kelling, H., 53
Kervarec, N., 37
Kostas, I.D., 221
Kühn, F.E., 1

Laschi, F., 145
Le Poul, P., 37
Li, G., 82
Liek, C., 106
Lin, G., 76
Linti, G., 82
Longo, R.L., 68
Lopes, A.D., 1
Lutz, M., 118

Maj, A.M., 157
Maranzana, A., 24
Marcelo Curto, M.J., 233
Mason, G., 181
Mathieu, R., 139
Matteoni, S., 145
McDonald, R., 76
Montilla, F., 227
Mortreux, A., 157
Mosscrop, M.T., 59
Motoyama, I., 32

Nie, W., 171
Nishiyama, K., 32
Nobrega, J.A., 68
Nunes da Ponte, M., 227

Oba, M., 32

Parr, J., 181
Pelagatti, P., 161
Pelizzi, G., 161
Peppe, C., 68
Pichon, R., 37
Pietrusiewicz, K.M., 157
Pillinger, M., 1
Piniella, J.F., 139
Pinzino, C., 145
Pleier, A.-K., 100
Pritzkow, H., 82

Qian, C., 171

Reinke, H., 53
Reyes-Lezama, M., 113
Rickard, C.E.F., 199
Robin-Le Guen, F., 37
Rocha, J., 1
Rodríguez-Borges, J.E., 1
Romão, C.C., 1
Rossetto, G., 11

Russo, U., 161

Saito, T., 32
Santos, A.M., 1
Scholz, J., 168, 243
Schumann, H., 243
Schürmann, M., 49
Shen, Q., 176
Shi, Y.-C., 192
Sieler, J., 243
Song, L.-C., 192
Spek, A.L., 118
Spiegler, M., 100
Stelzer, O., 106
Stufkens, D.J., 118
Suades, J., 139
Suisse, I., 157
Sun, J., 171, 176, 192
Sutherland, H.S., 199

Takagi, H., 32
Takats, J., 76
Thiel, W.R., 100
Thiele, K.-H., 243
Tonachini, G., 24
Torroni, S., 24
Traldi, P., 11
Tuck, D.G., 68

Valls, E., 139
van Slageren, J., 118
Vermeer, A.L., 118

Wang, B., 186
Wang, Y., 176
Weibert, B., 16
Weimann, R., 243
Wendler, C., 53
Weng, L., 186
Wong, W.-T., 125
Woodgate, P.D., 199
Wu, L., 176

Xu, S., 186

Young, V.G., Jr., 43

Zanella, P., 11
Zanello, P., 145
Zhang, J., 186
Zhang, Y., 176
Zhou, X., 186
Zhu, B., 186
Zúñiga-Villarreal, N., 113

PII: S0022-328X(01)00774-4

ELSEVIER

Journal of Organometallic Chemistry 626 (2001) 265–269

Journal of Organometallic Chemistry

www.elsevier.nl/locate/jorganchem

Subject Index of Volume 626

Alcohol
P-chiral β-aminophosphine oxides vs. β-aminophosphines as auxiliaries for ruthenium catalysed enantioselective transfer hydrogenation of arylketones, 157
Aminocarbene
Synthesis of chromium aminocarbene complexes of diterpenoids, 199
Arene complexes
Regio- and diastereoselective formation of some (η^6-2-methylindoline)tricarbonylchromium(0) complex derivatives, 233
Arylisocyanates
Transition-metal-mediated activation of arylisocyanates in supercritical carbon dioxide, 227
Asymmetric synthesis
Regio- and diastereoselective formation of some (η^6-2-methylindoline)tricarbonylchromium(0) complex derivatives, 233

Bisphosphine
Synthesis of new rhodium complexes with a hemilabile nitrogen-containing bis(phosphinite) or bis(phosphine) ligand. Application to hydroformylation of styrene, 221
Bisphosphinite
Synthesis of new rhodium complexes with a hemilabile nitrogen-containing bis(phosphinite) or bis(phosphine) ligand. Application to hydroformylation of styrene, 221
Bis(pyrazol-1-yl)acetate
Bis(pyrazol-1-yl)acetates as tripodal "scorpionate" ligands in transition metal carbonyl chemistry: syntheses, structures and reactivity of manganese and rhenium carbonyl complexes of the type $[LM(CO)_3]$ (L = bpza, bdmpza), 16
Bromomethyl
Preparation, crystal structure determination, and properties of adducts of halogenomethyl compounds of indium with Group 16 donors, 68
Bromopentacarbonylmanganese
A new ligating mode for the anions of the type $[R_2P(S)NP(S)R_2]^-$: study of the interaction of $[K\{Me_2P(S)NP(S)Me_2\}]$ with the early transition halometalcarbonyl, $[BrMn(CO)_5]$, 113

Calcium
Formation and crystal structures of a monomer–dimer pair of mono(cyclopentadienyl)calcium complexes, $[C_5(t\text{-}Bu)_3H_2]_2CaI(THF)_2$ and $\{[C_5(t\text{-}Bu)_3H_2]_2CaI(THF)\}_2$, 43
ε-Caprolactone
Syntheses of $\{(MeC_5H_4)_2Ln[\overline{OC\text{-}C\text{-}N(CH_2)_4CH_2}]\}_2$ (Ln = Yb, Y, Er) and the X-ray crystal structure of the ytterbium complex, 176
Carbene ligands
A simple access to palladium complexes of functionalized heterocyclic carbenes, 100
Carbonyl
Bis(pyrazol-1-yl)acetates as tripodal "scorpionate" ligands in transition metal carbonyl chemistry: syntheses, structures and reactivity of manganese and rhenium carbonyl complexes of the type $[LM(CO)_3]$ (L = bpza, bdmpza), 16
Chirality
P-chiral β-aminophosphine oxides vs. β-aminophosphines as auxiliaries for ruthenium catalysed enantioselective transfer hydrogenation of arylketones, 157
Synthesis and structure of $[Sm(\eta^5\text{-}CpPPh_2)(\kappa^3\text{-}Tp^{Me2})(I)(THF)]$; a samarium complex with four different ligands, 76
Chiral ligands
Chiral dioxomolybdenum(VI) complexes for enantioselective alkene epoxidation, 1
Chromium
Regio- and diastereoselective formation of some (η^6-2-methylindoline)tricarbonylchromium(0) complex derivatives, 233
Synthesis of chromium aminocarbene complexes of diterpenoids, 199
Cluster
Synthesis, characterisation, crystal structures and reactivity of a series of ruthenium–cobalt mixed-metal nitrido carbonyl clusters with iodide ligands, 125
Co complexes
Transition-metal-mediated activation of arylisocyanates in supercritical carbon dioxide, 227
Conjugation
Radical isomerization of 9,10-dihydro-9,10-disilaanthracene derivatives: stabilization factor of silyl radicals, 32
18-Crown-6 ether
The first example of a dinuclear anionic lanthanoidocene complex: $[K(18\text{-crown-6})\{(C_{13}H_8)CPh_2(C_5H_4)Nd(BH_4)_2\}]_2{\cdot}C_4H_8O_2$, 171
Crystal structure
Reactions of metal–metal triply bonded complexes $[(\eta^5\text{-}RC_5H_4)_2M_2(CO)_4]$ (M = Mo, W) with diphenyl ditelluride. Crystal structures of $[(\eta^5\text{-}MeC_5H_4)Mo_2(CO)_4(\mu\text{-}TePh)_3]$ and $[(\eta^5\text{-}EtO_2CC_5H_4)_2W_2(CO)_4(\mu\text{-}TePh)_2]$, 192
The synthesis of new complexes of rhenium(I) with heterotridentate [P,N,O] ligands, 181
Crystal structure analysis
On the chemistry of gallium: Part 19. Synthesis and crystal structure analysis of novel complexes containing Ga–$FeCp(CO)_2$-fragments, 82
Crystal structures
Formation and crystal structures of a monomer–dimer pair of mono(cyclopentadienyl)calcium complexes, $[C_5(t\text{-}Bu)_3H_2]_2CaI(THF)_2$ and $\{[C_5(t\text{-}Bu)_3H_2]_2CaI(THF)\}_2$, 43
Novel complexes *cis,cis*-$[Rh(R)_2(I)(CO)(dmb)]$ (R = Me, ^iPr; dmb = 4,4′-dimethyl-2,2′-bipyridine): synthesis, structure and photoreactivity, 118
Preparation, crystal structure determination, and properties of adducts of halogenomethyl compounds of indium with Group 16 donors, 68
The first example of a dinuclear anionic lanthanoidocene complex: $[K(18\text{-crown-6})\{(C_{13}H_8)CPh_2(C_5H_4)Nd(BH_4)_2\}]_2{\cdot}C_4H_8O_2$, 171
Cyclisations
2,2-Dihydroxy-methylcyclosiloxanes and other 2,2-difunctional methylcyclosiloxanes, 53
Cyclopentadienyl
Formation and crystal structures of a monomer–dimer pair of mono(cyclopentadienyl)calcium complexes, $[C_5(t\text{-}Bu)_3H_2]_2CaI(THF)_2$ and $\{[C_5(t\text{-}Bu)_3H_2]_2CaI(THF)\}_2$, 43
Synthesis and structures of doubly bridged bis(cyclopentadienyl) tetracarbonyl diiron complexes, 186

PII: S0022-328X(01)00775-6

Cyclosiloxanes
2,2-Dihydroxy-methylcyclosiloxanes and other 2,2-difunctional methylcyclosiloxanes, 53
Cyclotrimerisation
Transition-metal-mediated activation of arylisocyanates in supercritical carbon dioxide, 227

1,4-Diaza-1,3-diene complexes
1,4-Diaza-1,3-diene (DAD) complexes of early transition elements. Syntheses, structures and molecular dynamics of mono- and bis(η^5-cyclopentadienyl)titanium-, zirconium- and hafnium(DAD) complexes. Crystal- and molecular structures of CpTi(DAD)CH_2Ph, $[CpTi(DAD)]_2O$, CpZr-[(DAD)(N⁻O)] and Cp_2Hf(DAD), 243
Dichalcogenoimidodiphosphinate anions
A new ligating mode for the anions of the type $[R_2P(S)NP(S)R_2]^-$: study of the interaction of $[K\{Me_2P(S)NP(S)Me_2\}]$ with the early transition halometalcarbonyl, $[BrMn(CO)_5]$, 113
Dimeric titanium ketone complex
$[(t\text{-Bu-DAD})Ti(\mu,\eta^2\text{-}OCPh_2)]_2Mg(\mu\text{-}Cl)_2(THF)$: synthesis and molecular structure of a dimeric titanium ketone complex, 168
Dinuclear anionic lanthanocene compounds
The first example of a dinuclear anionic lanthanoidocene complex: $[K(18\text{-crown-}6)\{(C_{13}H_9)CPh_2(C_5H_4)Nd(BH_4)_2\}_2\cdot C_4H_8O_2$, 171
Diphenylphosphinocyclopentadienyl
Synthesis and structure of $[Sm(\eta^5\text{-}CpPPh_2)(\kappa^3\text{-}Tp^{Me2})(I)(THF)]$: a samarium complex with four different ligands, 76
Diphenylphosphino groups
Chelating phosphines with low coordinated phosphorus atoms: Part I. Phosphaalkenes associated with phosphine moieties — X-ray structure of *cis*-$(CO)_4Mo[ortho\text{-}Ph_2P\text{-}C_6H_4\text{-}CH\text{=}P(t\text{-}Bu_3C_6H_2)]\cdot C_7H_{16}$, 106
9,10-Disilaanthracenes
Radical isomerization of 9,10-dihydro-9,10-disilaanthracene derivatives: stabilization factor of silyl radicals, 32
Diterpenoid
Synthesis of chromium aminocarbene complexes of diterpenoids, 199
Doubly bridged complexes
Synthesis and structures of doubly bridged bis(cyclopentadienyl) tetracarbonyl diiron complexes, 186

Early transition metal
A new ligating mode for the anions of the type $[R_2P(S)NP(S)R_2]^-$: study of the interaction of $[K\{Me_2P(S)NP(S)Me_2\}]$ with the early transition halometalcarbonyl, $[BrMn(CO)_5]$, 113
Electrochemistry
Oxidative reactions of "half-sandwich" ruthenium compounds: formation of cationic nitrosyl ruthenium(II) derivatives, 145
Enantioselective epoxidations
Chiral dioxomolybdenum(VI) complexes for enantioselective alkene epoxidation, 1
EPR spectra
Novel complexes *cis,cis*-$[Rh(R)_2(I)(CO)(dmb)]$ (R = Me, ^iPr; dmb = 4,4'-dimethyl-2,2'-bipyridine): synthesis, structure and photoreactivity, 118
EPR spectroscopy
Oxidative reactions of "half-sandwich" ruthenium compounds: formation of cationic nitrosyl ruthenium(II) derivatives, 145
Erbium
Syntheses of $\{(MeC_5H_4)_2Ln[O_2C_2N(CH_2)_4CH_2]\}_2$ (Ln = Yb, Y, Er) and the X-ray crystal structure of the ytterbium complex, 176

Fe–Fe bond
Synthesis and structures of doubly bridged bis(cyclopentadienyl) tetracarbonyl diiron complexes, 186
Formamidines
Reactions of $InMe_3$ with isocyanides in the presence of amines: chemical and mass spectrometric evidence of unprecedented insertion into In–N bonds, 11

Gallium
On the chemistry of gallium: Part 19. Synthesis and crystal structure analysis of novel complexes containing Ga–$FeCp(CO)_2$-fragments, 82
Gallium cyclopentadienide derivatives
Chemistry of (tetramethylcyclopentadienyl)gallium(III) compounds, 59
Gallium–iron bond
On the chemistry of gallium: Part 19. Synthesis and crystal structure analysis of novel complexes containing Ga–$FeCp(CO)_2$-fragments, 82
Gas-phase chemistry
Entropy effects in gas phase ion-molecule association reactions, 24
Group 2
Formation and crystal structures of a monomer–dimer pair of mono(cyclopentadienyl)calcium complexes, $[C_4(t\text{-}Bu)_3H_2]_2CaI(THF)_2$ and $\{[C_4(t\text{-}Bu)_3H_2]_2CaI(THF)\}_2$, 43

Half-sandwich complexes
1,4-Diaza-1,3-diene (DAD) complexes of early transition elements. Syntheses, structures and molecular dynamics of mono- and bis(η^5-cyclopentadienyl)titanium-, zirconium- and hafnium(DAD) complexes. Crystal- and molecular structures of CpTi(DAD)CH_2Ph, $[CpTi(DAD)]_2O$, CpZr-[(DAD)(N⁻O)] and Cp_2Hf(DAD), 243
Heck reaction
Rigid rod molecules containing two $Si(OMe)_3$ or $SiMe(OMe)_2$ groups for hybrid materials synthesis, 92
Hemilabile amphiphilic phosphines
Palladium(II) complexes with hemilabile amphiphilic phosphines, 139
Hemilabile ligand
Synthesis of new rhodium complexes with a hemilabile nitrogen-containing bis(phosphinite) or bis(phosphine) ligand. Application to hydroformylation of styrene, 221
Heterogeneous catalysis
Chiral dioxomolybdenum(VI) complexes for enantioselective alkene epoxidation, 1
Heterotridentate
The synthesis of new complexes of rhenium(I) with heterotridentate [P,N,O] ligands, 181
Hydroformylation
Synthesis of new rhodium complexes with a hemilabile nitrogen-containing bis(phosphinite) or bis(phosphine) ligand. Application to hydroformylation of styrene, 221
Hydrogen bonding
Crystal and molecular structure of $H_2C(SnPh_2OMe)_2\cdot MeOH$, 49
Hydrotris(3,5-dimethylpyrazolyl)borate
Synthesis and structure of $[Sm(\eta^5\text{-}CpPPh_2)(\kappa^3\text{-}Tp^{Me2})(I)(THF)]$: a samarium complex with four different ligands, 76

Imidazoles
A simple access to palladium complexes of functionalized heterocyclic carbenes, 100
Indium
Preparation, crystal structure determination, and properties of adducts of halogenomethyl compounds of indium with Group 16 donors, 68

Indolines
Regio- and diastereoselective formation of some (η^6-2-methylindoline)tricarbonylchromium(0) complex derivatives, 233
Iodide
Formation and crystal structures of a monomer–dimer pair of mono(cyclopentadienyl)calcium complexes, $[C_5(t\text{-}Bu)_3H_2]_2CaI(THF)_2$ and $\{[C_5(t\text{-}Bu)_3H_2]_2CaI(THF)\}_2$, 43
Synthesis, characterisation, crystal structures and reactivity of a series of ruthenium–cobalt mixed-metal nitrido carbonyl clusters with iodide ligands, 125
Ion-molecule reactions
Entropy effects in gas phase ion-molecule association reactions, 24
Iron
On the chemistry of gallium: Part 19. Synthesis and crystal structure analysis of novel complexes containing Ga–$FeCp(CO)_2$-fragments, 82
Isocyanides
Reactions of $InMe_3$ with isocyanides in the presence of amines: chemical and mass spectrometric evidence of unprecedented insertion into In–N bonds, 11

Ketone
P-chiral β-aminophosphine oxides vs. β-aminophosphines as auxiliaries for ruthenium catalysed enantioselective transfer hydrogenation of arylketones, 157
Kinetics
Entropy effects in gas phase ion-molecule association reactions, 24

Ligand properties
Chelating phosphines with low coordinated phosphorus atoms: Part I. Phosphaalkenes associated with phosphine moieties — X-ray structure of *cis*-$(CO)_4Mo[ortho\text{-}Ph_2P\text{–}C_6H_4\text{–}CH\text{–}P(t\text{-}Bu_3C_6H_2)]\cdot C_7H_{16}$, 106
Low-valent titanium
$[(t\text{-Bu-DAD})Ti(\mu,\eta^2\text{-}OCPh_2)]_2Mg(\mu\text{-}Cl)_2(THF)$: synthesis and molecular structure of a dimeric titanium ketone complex, 168

Manganese
Bis(pyrazol-1-yl)acetates as tripodal "scorpionate" ligands in transition metal carbonyl chemistry: syntheses, structures and reactivity of manganese and rhenium carbonyl complexes of the type $[LM(CO)_3]$ (L = bpza, bdmpza), 16
Mass spectrometry
Entropy effects in gas phase ion-molecule association reactions, 24
Mesoporous materials
Chiral dioxomolybdenum(VI) complexes for enantioselective alkene epoxidation, 1
Metal carbonyl
Synthesis and structures of doubly bridged bis(cyclopentadienyl) tetracarbonyl diiron complexes, 186
Metallocenes
Entropy effects in gas phase ion-molecule association reactions, 24
Metalloligand
Synthesis and structure of $[Sm(\eta^5\text{-}CpPPh_2)(\kappa^3\text{-}Tp^{Me2})(I)(THF)]$; a samarium complex with four different ligands, 76
Metal–metal triple bond
Reactions of metal–metal triply bonded complexes $[(\eta^5\text{-}RC_5H_4)_2M_2(CO)_4]$ (M = Mo, W) with diphenyl ditelluride. Crystal structures of $[(\eta^5\text{-}MeC_5H_4)Mo_2(CO)_4(\mu\text{-}TePh)_3]$ and $[(\eta^5\text{-}EtO_2CC_5H_4)_2W_2(CO)_4(\mu\text{-}TePh)_2]$, 192
Methyldimethoxysilanes
Rigid rod molecules containing two $Si(OMe)_3$ or $SiMe(OMe)_2$ groups for hybrid materials synthesis, 92
Methylenepyran carbene complexes
Synthesis of electron donor–acceptor polyunsaturated methylenepyran Fischer type carbene complexes: dynamic ^{1}H-NMR study and solvatochromic properties, 37
Molybdenum complexes
Chiral dioxomolybdenum(VI) complexes for enantioselective alkene epoxidation, 1
Monoanionic ligands
The synthesis of new complexes of rhenium(I) with heterotridentate [P,N,O] ligands, 181
Mo(0), Pd(II), Pt(II) complexes
Chelating phosphines with low coordinated phosphorus atoms: Part I. Phosphaalkenes associated with phosphine moieties — X-ray structure of *cis*-$(CO)_4Mo[ortho\text{-}Ph_2P\text{–}C_6H_4\text{–}CH\text{–}P(t\text{-}Bu_3C_6H_2)]\cdot C_7H_{16}$, 106
Mo_2Te_2 complex
Reactions of metal–metal triply bonded complexes $[(\eta^5\text{-}RC_5H_4)_2M_2(CO)_4]$ (M = Mo, W) with diphenyl ditelluride. Crystal structures of $[(\eta^5\text{-}MeC_5H_4)Mo_2(CO)_4(\mu\text{-}TePh)_3]$ and $[(\eta^5\text{-}EtO_2CC_5H_4)_2W_2(CO)_4(\mu\text{-}TePh)_2]$, 192
Mo_2Te_3 complex
Reactions of metal–metal triply bonded complexes $[(\eta^5\text{-}RC_5H_4)_2M_2(CO)_4]$ (M = Mo, W) with diphenyl ditelluride. Crystal structures of $[(\eta^5\text{-}MeC_5H_4)Mo_2(CO)_4(\mu\text{-}TePh)_3]$ and $[(\eta^5\text{-}EtO_2CC_5H_4)_2W_2(CO)_4(\mu\text{-}TePh)_2]$, 192

Ni complexes
Transition-metal-mediated activation of arylisocyanates in supercritical carbon dioxide, 227
Nitrido
Synthesis, characterisation, crystal structures and reactivity of a series of ruthenium–cobalt mixed-metal nitrido carbonyl clusters with iodide ligands, 125
Nitrosyls
Oxidative reactions of "half-sandwich" ruthenium compounds: formation of cationic nitrosyl ruthenium(II) derivatives, 145
NMR spectroscopy
The synthesis of new complexes of rhenium(I) with heterotridentate [P,N,O] ligands, 181
^{15}N-NMR spectroscopy
Synthesis, characterisation, crystal structures and reactivity of a series of ruthenium–cobalt mixed-metal nitrido carbonyl clusters with iodide ligands, 125

Organogallium compounds
Chemistry of (tetramethylcyclopentadienyl)gallium(III) compounds, 59
Organotin compounds
The behaviour of polydentate hydrazonic ligands derived from 2-acetylpyridine towards organotin compounds: Part II. The monoorganotin(IV) complexes, 161

Palladium
A simple access to palladium complexes of functionalized heterocyclic carbenes, 100
Palladium(II) complexes
Palladium(II) complexes with hemilabile amphiphilic phosphines, 139
Pentacoordination
Crystal and molecular structure of $H_2C(SnPh_2OMe)_2\cdot MeOH$, 49
Phosphaalkenes
Chelating phosphines with low coordinated phosphorus atoms: Part I. Phosphaalkenes associated with phosphine moieties — X-ray structure of *cis*-$(CO)_4Mo[ortho\text{-}Ph_2P\text{–}C_6H_4\text{–}CH\text{–}P(t\text{-}Bu_3C_6H_2)]\cdot C_7H_{16}$, 106
Phosphine oxide
P-chiral β-aminophosphine oxides vs. β-aminophosphines as auxiliaries for ruthenium catalysed enantioselective transfer hydrogenation of arylketones, 157

Photochemistry
Novel complexes *cis,cis*-[Rh(R)$_2$(I)(CO)(dmb)] (R = Me, ^{i}Pr; dmb = 4,4′-dimethyl-2,2′-bipyridine): synthesis, structure and photoreactivity, 118

Ph_2Te_2
Reactions of metal–metal triply bonded complexes [(η^5-RC_5H_4)$_2$M$_2$(CO)$_4$] (M = Mo, W) with diphenyl ditelluride. Crystal structures of [(η^5-MeC_5H_4)Mo$_2$(CO)$_4$(μ-TePh)$_3$] and [(η^5-$EtO_2CC_5H_4$)$_2$W$_2$(CO)$_4$(μ-TePh)$_2$], 192

^{31}P-NMR spectroscopy
Palladium(II) complexes with hemilabile amphiphilic phosphines, 139

P,N,P-Ligand
Synthesis of new rhodium complexes with a hemilabile nitrogen-containing bis(phosphinite) or bis(phosphine) ligand. Application to hydroformylation of styrene, 221

Polydentate ligands
The behaviour of polydentate hydrazonic ligands derived from 2-acetylpyridine towards organotin compounds: Part II. The monoorganotin(IV) complexes, 161

Polymerization
Syntheses of {(MeC_5H_4)$_2$Ln[O$_2$C$_2$N(CH$_2$)$_4$CH$_2$]}$_2$ (Ln = Yb, Y, Er) and the X-ray crystal structure of the ytterbium complex, 176

'Push pull' molecules
Synthesis of electron donor–acceptor polyunsaturated methylenepyran Fischer type carbene complexes: dynamic ^{1}H-NMR study and solvatochromic properties, 37

Pyridyl ligands
The behaviour of polydentate hydrazonic ligands derived from 2-acetylpyridine towards organotin compounds: Part II. The monoorganotin(IV) complexes, 161

Pyrrolidine
Reactions of $InMe_3$ with isocyanides in the presence of amines: chemical and mass spectrometric evidence of unprecedented insertion into In–N bonds, 11

Radical isomerization
Radical isomerization of 9,10-dihydro-9,10-disilaanthracene derivatives: stabilization factor of silyl radicals, 32

Reductive coupling
[(*t*-Bu-DAD)Ti(μ,η^2-OCPh$_2$)]$_2$Mg(μ-Cl)$_2$(THF): synthesis and molecular structure of a dimeric titanium ketone complex, 168

Resonance Raman spectra
Novel complexes *cis,cis*-[Rh(R)$_2$(I)(CO)(dmb)] (R = Me, ^{i}Pr; dmb = 4,4′-dimethyl-2,2′-bipyridine): synthesis, structure and photoreactivity, 118

Rhenium
Bis(pyrazol-1-yl)acetates as tripodal "scorpionate" ligands in transition metal carbonyl chemistry: syntheses, structures and reactivity of manganese and rhenium carbonyl complexes of the type [LM(CO)$_3$] (L = bpza, bdmpza), 16
The synthesis of new complexes of rhenium(I) with heterotridentate [P,N,O] ligands, 181

Rhodium–alkyl complexes
Novel complexes *cis,cis*-[Rh(R)$_2$(I)(CO)(dmb)] (R = Me, ^{i}Pr; dmb = 4,4′-dimethyl-2,2′-bipyridine): synthesis, structure and photoreactivity, 118

Rhodium complex
Synthesis of new rhodium complexes with a hemilabile nitrogen-containing bis(phosphinite) or bis(phosphine) ligand. Application to hydroformylation of styrene, 221

Ruthenium
P-chiral β-aminophosphine oxides vs. β-aminophosphines as auxiliaries for ruthenium catalysed enantioselective transfer hydrogenation of arylketones, 157

Ruthenium–carbon bond cleavage
Oxidative reactions of "half-sandwich" ruthenium compounds: formation of cationic nitrosyl ruthenium(II) derivatives, 145

Ruthenium–cobalt
Synthesis, characterisation, crystal structures and reactivity of a series of ruthenium–cobalt mixed-metal nitrido carbonyl clusters with iodide ligands, 125

Samarium
Synthesis and structure of [Sm(η^5-$CpPPh_2$)(κ^3-Tp^{Me2})(I)(THF)]: a samarium complex with four different ligands, 76

Scorpionate ligands
Bis(pyrazol-1-yl)acetates as tripodal "scorpionate" ligands in transition metal carbonyl chemistry: syntheses, structures and reactivity of manganese and rhenium carbonyl complexes of the type [LM(CO)$_3$] (L = bpza, bdmpza), 16

Silanols
2,2-Dihydroxy-methylcyclosiloxanes and other 2,2-difunctional methylcyclosiloxanes, 53

Silyl radical
Radical isomerization of 9,10-dihydro-9,10-disilaanthracene derivatives: stabilization factor of silyl radicals, 32

Spirosiloxanes
2,2-Dihydroxy-methylcyclosiloxanes and other 2,2-difunctional methylcyclosiloxanes, 53

Structure
Synthesis and structure of [Sm(η^5-$CpPPh_2$)(κ^3-Tp^{Me2})(I)(THF)]: a samarium complex with four different ligands, 76

Sulfur ylid
Preparation, crystal structure determination, and properties of adducts of halogenomethyl compounds of indium with Group 16 donors, 68

Sulphur ligands
The behaviour of polydentate hydrazonic ligands derived from 2-acetylpyridine towards organotin compounds: Part II. The monoorganotin(IV) complexes, 161

Supercritical CO_2
Transition-metal-mediated activation of arylisocyanates in supercritical carbon dioxide, 227

supine Conformation
1,4-Diaza-1,3-diene (DAD) complexes of early transition elements. Syntheses, structures and molecular dynamics of mono- and bis(η^5-cyclopentadienyl)titanium-, zirconium- and hafnium(DAD) complexes. Crystal- and molecular structures of CpTi(DAD)CH$_2$Ph, [CpTi(DAD)]$_2$O, CpZr[(DAD)(N,O)] and Cp$_2$Hf(DAD), 243

Supported catalysts
Chiral dioxomolybdenum(VI) complexes for enantioselective alkene epoxidation, 1

Synthesis
Rigid rod molecules containing two $Si(OMe)_3$ or $SiMe(OMe)_2$ groups for hybrid materials synthesis, 92

Syntheses of {(MeC_5H_4)$_2$Ln[O$_2$C$_2$N(CH$_2$)$_4$CH$_2$]}$_2$ (Ln = Yb, Y, Er) and the X-ray crystal structure of the ytterbium complex, 176

Tetramethylcyclopentadienide derivatives
Chemistry of (tetramethylcyclopentadienyl)gallium(III) compounds, 59

Tin
Crystal and molecular structure of $H_2C(SnPh_2OMe)_2 \cdot MeOH$, 49

Transfer hydrogenation
P-chiral β-aminophosphine oxides vs. β-aminophosphines as auxiliaries for ruthenium catalysed enantioselective transfer hydrogenation of arylketones, 157

Transition metal complexes
A simple access to palladium complexes of functionalized heterocyclic carbenes, 100
Trimethoxysilanes
Rigid rod molecules containing two $Si(OMe)_3$ or $SiMe(OMe)_2$ groups for hybrid materials synthesis, 92
Triphenylphosphine oxide complex
Preparation, crystal structure determination, and properties of adducts of halogenomethyl compounds of indium with Group 16 donors, 68
Triphenylphosphonium-sulfur methylide
Preparation, crystal structure determination, and properties of adducts of halogenomethyl compounds of indium with Group 16 donors, 68
Tungsten and chromium Fischer type carbenes
Synthesis of electron donor–acceptor polyunsaturated methylenepyran Fischer type carbene complexes: dynamic ^{1}H-NMR study and solvatochromic properties, 37

W_2Te_2 complex
Reactions of metal–metal triply bonded complexes $[(\eta^5\text{-}RC_5H_4)_2M_2(CO)_4]$ (M = Mo, W) with diphenyl ditelluride. Crystal structures of $[(\eta^5\text{-}MeC_5H_4)Mo_2(CO)_4(\mu\text{-}TePh)_3]$ and $[(\eta^5\text{-}EtO_2CC_5H_4)_2W_2(CO)_4(\mu\text{-}TePh)_2]$, 192

X-ray analysis
A new ligating mode for the anions of the type $[R_2P(S)NP(S)R_2]^-$: study of the interaction of $[K\{Me_2P(S)NP(S)Me_2\}]$ with the early transition halometalcarbonyl, $[BrMn(CO)_5]$, 113
X-ray crystal structures
2,2-Dihydroxy-methylcyclosiloxanes and other 2,2-difunctional methylcyclosiloxanes, 53
X-ray structural study
Chemistry of (tetramethylcyclopentadienyl)gallium(III) compounds, 59
X-ray structure
Chelating phosphines with low coordinated phosphorus atoms: Part I. Phosphaalkenes associated with phosphine moieties — X-ray structure of *cis*-$(CO)_4Mo[ortho\text{-}Ph_2P\text{–}C_6H_4\text{–}CH\text{–}P(t\text{-}Bu)C_6H_2]\cdot C_7H_{16}$, 106
Crystal and molecular structure of $H_2C(SnPh_2OMe)_2\cdot MeOH$, 49
Syntheses of $\{(MeC_5H_4)_2Ln[O_2C_2N(CH_2C_4CH_2]\}_2$ (Ln = Yb, Y, Er) and the X-ray crystal structure of the ytterbium complex, 176

Ytterbium
Syntheses of $\{(MeC_5H_4)_2Ln[O_2C_2N(CH_2)_4CH_2]\}_2$ (Ln = Yb, Y, Er) and the X-ray crystal structure of the ytterbium complex, 176
Yttrium
Syntheses of $\{(MeC_5H_4)_2Ln[O_2C_2N(CH_2)_4CH_2]\}_2$ (Ln = Yb, Y, Er) and the X-ray crystal structure of the ytterbium complex, 176